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A method for executing a re-configuration in a self-configuring digital
network after occurrence of a reconfiguration trigger, through upon detecting such trigger,
communicating between various physical nodes their respective logical node identifiers and
furthermore communicating functionality informations regarding the respective node
stations.

said method being characterized by, associated to such detecting, recognizing in a particular node such other nodes that before such trigger had been conducting a communication relation with said particular node, marking all logical node mappings on the various physical nodes as invalid, through said communicating of logical node identifiers establishing said reconfiguration, whilst executing the communicating of said functionality informations on a basis of necessity.

- A method as claimed in Claim 1, wherein such reconfiguration undertakes to re-establish an existing mapping pattern of logical identifiers from a hitherto communicationrelated sub-sets among said nodes, whilst seeking replacement of interrupted communicationrelations on a basis of necessity.
- A method as claimed in Claim 1, wherein upon detection of an unvalid and unrestorable mapping, a network-wide query is undertaken for a replacement target node for effecting such mapping.
- 4. A method as claimed in Claim 1, whilst in association with said reconfiguration storing an overall network topology in a subset made up of one or more physical nodes of the network.
- A method as claimed in Claim 1, wherein said network is based on IEEE 1394 or USB.

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6. A system being arranged for implementing a method as claimed in Claim 1, and having reconfiguring means for executing a re-configuration in a self-configuring digital network after occurrence of a reconfiguration trigger, comprising detection means for detecting such trigger, communicating means for thereupon communicating between various physical nodes their respective logical node identifiers and furthermore communicating functionality informations regarding the respective node stations,

said system having recognizing means for, associated to such detecting, recognizing in a particular node such other nodes that before such trigger had been conducting a communication relation with said particular node, marking means for marking all logical node mappings on the various physical nodes as invalid, and said communicating means being operative for through said communicating of logical node identifiers establishing said reconfiguration, whilst executing the communicating of said functionality informations on a basis of necessity.

 An apparatus being arranged for operating as a node station in a system as claimed in Claim 6.